IN THE CLAIMS:

1. (Canceled)

2. (Currently Amended) A method of displaying hierarchical call dependencies comprising the steps of:

selecting a routine from a routine list displayed in one of a first window region and a second window region, ~~The method of claim 1~~ wherein said first window region comprises a calls window region and said second window region comprises a called-by window region; and

displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.

3. (Currently Amended) The method of claim [[1]] 2 wherein said routine list is contained in a plurality of data structures stored in a database.

4. (Currently Amended) The method of claim [[1]] 2 wherein said step of displaying one of said first set of routines and said second set of routines further comprises the step of displaying said one of said first set of routines and said second set of routines in a tree hierarchy.

5. (Currently Amended) The method of claim [[1]] 2 wherein said step of selecting said routine from a routine list comprises the steps of selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.

6. (Currently Amended) The method of claim [[1]] 2 further comprising the step of accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises the step of displaying said one of said first set of routines and said second set of routines in response to a routine identifier, corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.

7. (Previously Presented) The method of claim 6 wherein said step of displaying said one of said first set of routines and said second set of routines further comprises the step of displaying said first set of routines in response to said routine identifier in a routine field of said entry.

8. (Previously Presented) The method of claim 6 wherein said step of displaying said one of said first set of routines and said second set of routines further comprises the step of displaying said second set of routines in response to said routine identifier in a routine called field of said entry.

9. (Currently Amended) The method of claim [[1]] 2 further comprising the step of specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises the step of displaying said one of said first set of routines and said second set of routines in response to said routine type.

10. (Currently Amended) A method of displaying hierarchical call dependencies comprising the steps of:

~~The method of claim 1 further comprising the step of~~ displaying ~~said~~ a routine list in ~~said~~ a first window region and ~~said~~ a second window region;

selecting a routine from said routine list displayed in one of said first window region and said second window region; and

displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.

11. (Canceled)

12. (Currently Amended) A data processing system comprising:

circuitry operable for selecting a routine from a routine list displayed in one of a first window region and a second window region, ~~The data processing system of claim 11~~ wherein said first window region comprises a calls window region and said second window region comprises a called-by window region; and

circuitry operable for displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.

13. (Currently Amended) The data processing system of claim [[11]] 12 wherein said routine list is contained in a plurality of data structures stored in a database.

14. (Currently Amended) The data processing system of claim [[11]] 12 wherein said circuitry operable of displaying one of said first set of routines and said second set of routines further comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in a tree hierarchy.

15. (Currently Amended) The data processing system of claim [[11]] 12 wherein said circuitry operable for selecting said routine from a routine list comprises circuitry operable for selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.

16. (Currently Amended) The data processing system of claim [[11]] 12 further comprising circuitry operable for accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in response to a routine identifier, corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.

17. (Previously Presented) The data processing system of claim 16 wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines further comprises circuitry operable for displaying said first set of routines in response to said routine identifier in a routine field of said entry.

18. (Previously Presented) The data processing system of claim 16 wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines further comprises circuitry operable for displaying said second set of routines in response to said routine identifier in a routine called field of said entry.

19. (Currently Amended) The data processing system of claim [[11]] 12 further comprising circuitry operable for specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in response to said routine type.

20. (Currently Amended) A data processing system comprising:

~~The data processing system of claim 11 further comprising~~ circuitry operable for displaying ~~said~~ a routine list in ~~said~~ a first window region and ~~said~~ a second window region;

circuitry operable for selecting a routine from said routine list displayed in one of said first window region and said second window region; and

circuitry operable for displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.

21. (Canceled)

22. (Currently Amended) A computer program product comprising a tangible computer usable medium having computer usable program code for displaying hierarchical call dependencies, the computer program product including:

computer usable program code for selecting a routine from a routine list displayed in one of a first window region and a second window region, ~~The computer program product of claim 21~~ wherein said first window region comprises a calls window region and said second window region comprises a called-by window region; and

computer usable program code for displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.

23. (Currently Amended) The computer program product of claim [[21]] 22 wherein said routine list is contained in a plurality of data structures stored in a database.

24. (Currently Amended) The computer program product of claim [[21]] 22 wherein said computer usable program code or displaying one of said first set of routines and said second set of routines further comprises computer usable program code for displaying said one of said first set of routines and said second set of routines in a tree hierarchy.

25. (Currently Amended) The computer program product of claim [[21]] 22 wherein said computer usable program code for selecting said routine from a routine list comprises computer usable program code for selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.

26. (Currently Amended) The computer program product of claim [[21]] 22 further comprising computer usable program code for accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said computer usable program code for displaying said one of said first set of routines and said second set of routines comprises computer usable program code for displaying said one of said first set of routines and said second set of routines in response to a routine identifier, corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.

27. (Previously Presented) The computer program product of claim 26 wherein said computer usable program code for displaying said one of said first set of routines and said second set of routines further comprises computer usable program code for displaying said first set of routines in response to said routine identifier in a routine field of said entry.

28. (Previously Presented) The computer program product of claim 26 wherein said computer usable program code for displaying said one of said first set of routines and said second set of routines further comprises computer usable program code for displaying said second set of routines in response to said routine identifier in a routine called field of said entry.

29. (Currently Amended) The computer program product of claim [[21]] 22 further comprising computer usable program code for specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises computer usable program code for displaying said one of said first set of routines and said second set of routines in response to said routine type.

30. (Currently Amended) A computer program product comprising a tangible computer usable medium having computer usable program code for displaying hierarchical call dependencies, the computer program product including:

~~The computer program product of claim 21 further comprising~~ computer usable program code for displaying ~~said~~ a routine list in ~~said~~ a first window region and ~~said~~ a second window region;

computer usable program code for selecting a routine from said routine list displayed in one of said first window region and said second window region; and

computer usable program code for displaying one of a first set of routines called by said routine in said first window region and a second set of routines calling said routine in said second window region in response to said selection.